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I hereby certify that the following documents are attached hereto in regard to U.S. Patent No. 7,035,223, issued April 25, 2006 to Burchfiel, et al., entitled METHOD AND APPARATUS FOR DETECTING UNRELIABLE OR COMPROMISED ROUTER/SWITCHES IN SWITCHES IN LINK STATE ROUTING.

Attorney Docket No. 519-142-USP

on April 30, 2008



Douglas A. Cave

1.	Statement under 37 CFR 3.73(b)	1 Page
2.	Abstract of Title	4 Pages
3.	Power of Attorney	1 Page
4.	Executed Assignment from BBN Technologies Corp. to Level 3 Communications, LLC (under separate recordal)	3 Pages
5.	Fax Cover with Certificate of Transmission	1 Page
<b>Total pages including cover sheet:</b>		<b>10 Pages</b>

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519-142-USP

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Burchfiel, et al.Application No./Patent No.: 7,035,223Filed/Issue Date: April 25, 2006

Entitled:

Level 3 Communications, LLCa limited liability company in Delaware

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
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The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☒ Additional documents in the chain of title are listed on a supplemental sheet.

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
Signature

Date

Damon A. Rieth

4/30/08  
720-377-0770

Printed or Typed Name

Telephone Number

Attorney for Assignee

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Assignments on the Web > Patent Query

**Patent Assignment Abstract of Title**

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 13**

**Patent #:** Z035223 **Issue Dt:** 04/25/2006 **Application #:** 09533467 **Filing Dt:** 03/23/2000

**Inventors:** Jerry D. Burchfiel, Brig Barnum Elliott, Anthony Michel

**Title:** METHOD AND APPARATUS FOR DETECTING UNRELIABLE OR COMPROMISED ROUTER/SWITCHES IN LINK STATE ROUTING

**Assignment: 1**

**Reel/Frame:** 010690/0503

**Recorded:** 03/23/2000

**Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** BURCHFIEL, JERRY D.

**Exec Dt:** 02/03/2000

ELLIOTT, BRIG BARNUM

**Exec Dt:** 02/04/2000

MICHEL, ANTHONY

**Exec Dt:** 03/20/2000

**Assignee:** GTE INTERNETWORKING INCORPORATED  
BURLINGTON, MASSACHUSETTS 01803

**Correspondent:** GTE SERVICES CORPORATION  
LEONARD CHARLES SUCHYTA  
600 HIDDEN RIDGE  
IRVING, TX 75038

**Assignment: 2**

**Reel/Frame:** 013835/0819

**Recorded:** 07/31/2003

**Pages:** 4

**Conveyance:** CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

**Assignor:** GTE INTERNETWORKING INCORPORATED

**Exec Dt:** 04/05/2000

**Assignee:** GENUITY INC.

225 PRESIDENTIAL WAY  
WOBURN, MASSACHUSETTS 01888-4100

**Correspondent:** VERIZON CORPORATE SERVICES GROUP INC.  
LEONARD CHARLES SUCHYTA, ESQ.  
600 HIDDEN RIDGE DRIVE  
IRVING, TX 75038

**Assignment: 3**

**Reel/Frame:** 013998/0071

**Recorded:** 09/23/2003

**Pages:** 12

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** GENUITY INC.

**Exec Dt:** 06/28/2000

**Assignees:** GENUITY INC.

3 VAN DE GRAAFF DRIVE  
BURLINGTON, MASSACHUSETTS 01803

GTE SERVICE CORPORATION  
600 HIDDEN RIDGE  
IRVING, TEXAS 75038

**Correspondent:** VERIZON CORPORATE SERVICES GROUP INC.  
LEONARD CHARLES SUCHYTA  
C/O CHRISTIAN ANDERSEN  
600 HIDDEN RIDGE, HQE03H01

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IRVING, TEXAS 75038

**Assignment: 4**

Reel/Frame: 014696/0256 Recorded: 05/26/2004 Pages: 19

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: VERIZON CORPORATE SERVICES GROUP INC. Exec Dt: 04/21/2001

Assignee: BBNT SOLUTIONS LLC  
10 MOULTON STREET  
CAMBRIDGE, MASSACHUSETTS 02138

Correspondent: ROPES & GRAY LLP  
EDWARD J. KELLY  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110-2624

**Assignment: 5**

Reel/Frame: 014015/0841 Recorded: 10/01/2003 Pages: 5

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: GTE SERVICE CORPORATION Exec Dt: 12/14/2001

Assignee: VERIZON CORPORATE SERVICES GROUP INC.  
1095 AVENUE OF THE AMERICAS  
NEW YORK, NEW YORK 10036

Correspondent: VERIZON CORPORATE SERVICES GROUP INC.  
LEONARD CHARLES SUCHYTA  
600 HIDDEN RIDGE, HOE03H01  
IRVING, TX 75038

**Assignment: 6**

Reel/Frame: 016468/0239 Recorded: 03/23/2005 Pages: 45

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: GENUITY, INC. Exec Dt: 02/04/2003

Assignee: LEVEL 3 COMMUNICATIONS, INC.  
1025 ELDORADO BLVD.  
BROOMFIELD, COLORADO 80021

Correspondent: FAEGRE & BENSON LLP  
PATENT DOCKETING  
2200 WELLS FARGO CENTER  
90 SOUTH 7TH STREET  
MINNEAPOLIS, MN 55402-3901

**Assignment: 7**

Reel/Frame: 014709/0549 Recorded: 06/09/2004 Pages: 74

Conveyance: PATENT AND TRADEMARKS SECURITY AGREEMENT

Assignor: BBNT SOLUTIONS LLC Exec Dt: 03/26/2004

Assignee: FLEET NATIONAL BANK, AS AGENT  
100 FEDERAL STREET  
BRUCE DANIELS, SENIOR VP  
BOSTON, MASSACHUSETTS 02110

Correspondent: ROPES & GRAY LLP  
EDWARD A. GORDON  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110-2624

**Assignment: 8**

Reel/Frame: 016621/0835 Recorded: 07/18/2005 Pages: 15

Conveyance: CORRECTION OF EXECUTION DATE OF ASSIGNMENT RECORD

Assignor: VERIZON CORPORATE SERVICES GROUP INC. Exec Dt: 04/21/2004

Assignee: BBNT SOLUTIONS LLC  
10 MOULTON STREET

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CAMBRIDGE, MASSACHUSETTS 02138

**Correspondent:** EDWARD J. KELLY  
ROPES & GRAY LLP  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110-2624

**Assignment: 9**

**Reel/Frame:** 017274/0318

**Recorded:** 03/02/2006

**Pages:** 8

**Conveyance:** MERGER (SEE DOCUMENT FOR DETAILS).

**Assignor:** BBNT SOLUTIONS LLC

**Exec Dt:** 01/03/2006

**Assignee:** BBN TECHNOLOGIES CORP.  
10 MOULTON STREET  
CAMBRIDGE, MASSACHUSETTS 02138

**Correspondent:** EDWARD J. KELLY  
ROPES & GRAY LLP  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110-2624

**Assignment: 10**

**Reel/Frame:** 018207/0120

**Recorded:** 09/06/2006

**Pages:** 49

**Conveyance:** SECURITY AGREEMENT

**Assignors:** LEVEL 3 COMMUNICATIONS, INC.

**Exec Dt:** 06/27/2006

ICG COMMUNICATIONS, INC.

**Exec Dt:** 06/27/2006

**Assignee:** MERRILL LYNCH CAPITAL CORPORATION, AS COLLATERAL AGENT  
N. TOWER, WORLD FINANCIAL CENTER  
NEW YORK, NEW YORK 10281

**Correspondent:** CBCINNOVIS DBA FEDERAL RESEARCH  
1023 FIFTEENTH STREET, NW, STE 401  
ATTN: OLEH HERELIUK  
WASHINGTON, DC 20005

**Assignment: 11**

**Reel/Frame:** 018989/0678

**Recorded:** 03/12/2007

**Pages:** 19

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** LEVEL 3 COMMUNICATIONS, INC.

**Exec Dt:** 03/12/2007

**Assignee:** LEVEL 3 COMMUNICATIONS, LLC  
1025 ELDORADO BLVD.  
BROOMFIELD, COLORADO 80021

**Correspondent:** LEVEL 3 COMMUNICATIONS, LLC  
1025 ELDORADO BLVD.  
BROOMFIELD, CO 80021

**Assignment: 12**

**Reel/Frame:** 020261/0305

**Recorded:** 12/18/2007

**Pages:** 10

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** BBN TECHNOLOGIES CORP.

**Exec Dt:** 12/13/2007

**Assignee:** LEVEL 3 COMMUNICATIONS, LLC  
1025 ELDORADO BLVD.  
BROOMFIELD, COLORADO 80021

**Correspondent:** ASHLEY ESSICK  
1025 ELDORADO BLVD.  
BROOMFIELD, CO 80021

**Assignment: 13**

**Reel/Frame:** 020385/0566

**Recorded:** 01/17/2008

**Pages:** 4

**Conveyance:** RELEASE OF SECURITY INTEREST

**Assignor:** BANK OF AMERICA, N.A.

**Exec Dt:** 01/17/2008

**Assignee:** BBN TECHNOLOGIES CORP.

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10 MOULTON STREET  
CAMBRIDGE, MASSACHUSETTS 02138

**Correspondent:** EDWARD A. GORDON  
ROPES & GRAY LLP  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110

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Web interface last modified: April 20, 2007 v.2.0.1

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# POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

69693

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

69693

OR



Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

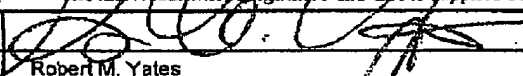
Assignee Name and Address:

Level 3 Communications, LLC  
1025 Eldorado Boulevard  
Broomfield, Colorado 80021

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/86 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	JUL 19 2007
Name	Robert M. Yates	Telephone	(720) 377-2283
Title	Senior Vice President		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**ASSIGNMENT OF PATENTS**

This ASSIGNMENT OF PATENTS is effective as of December 13, 2007 among BBN Technologies Corp. (hereinafter "ASSIGNOR") and Level 3 Communications, LLC (hereinafter "ASSIGNEE").

WHEREAS, ASSIGNOR is the owner of certain rights, title and interest in and to the inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in the attached Schedule A (the "Patents"); and

WHEREAS, ASSIGNEE is desirous of acquiring the aforesaid inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in Schedule A.

NOW, THEREFORE, in consideration of the premises and the mutual covenants set forth in the PATENT ASSIGNMENT AND LICENSE AGREEMENT executed on December 13, 2007, among ASSIGNEE and ASSIGNOR and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and subject to any rights and licenses granted to third parties on or before the effective date hereof, ASSIGNOR does hereby assign unto ASSIGNEE all rights, title and interest of ASSIGNOR in and to the Patents, including any inventions described therein, all patent rights and rights of priority, all patent disclosures, improvements and all statutory invention registrations, including without limitation any United States and foreign rights in patents, patent applications, provisional patents and applications, rights of priority and inventions covered thereby, and all continuing applications, reissues, divisions, continuations, continuations in part, extensions, renewals, reexaminations and any other form of industrial property protection relating to the foregoing in the United States and throughout the world to the full end of the term or terms for which any letters patents based on any of the foregoing issue, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made (collectively, the "Patent Rights"), together with all claims for damages by reason of past and future infringement of any and all Patent Rights, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

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ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent resulting from the inventions and Applications for United States Letters Patent listed in Schedule A or any divisions, reissues, continuations (in whole or in part), renewals, extensions, substitutes or re-examinations thereof to ASSIGNEE as assignee of ASSIGNOR's interest therein.

BBN Technologies Corp.

1/23/08  
Dated

By: [Signature]  
Name: Robert G. Elm  
Title: CEO

LEVEL 3 COMMUNICATIONS, LLC

2/01/08  
Dated

By: [Signature]  
Name: Ben M. Yates  
Title: Senior Vice President

**SCHEDULE A**

<b>BBN Docket No.</b>	<b>Pat No./Serial No.</b>	<b>Title</b>
98-418	6,629,126	FRAMEWORK FOR PROVIDING QUALITY OF SERVICE REQUIREMENTS IN A DISTRIBUTED OBJECT-ORIENTED COMPUTER SYSTEM
99-435 RCE 1	6,775,709	MESSAGE ROUTING COORDINATION IN COMMUNICATION SYSTEMS
99-460	6,850,524	SYSTEMS AND METHODS FOR PREDICTIVE ROUTING
99-427 RCE1	6,859,135	A SYSTEM AND METHOD CONSERVING ENERGY IN WIRELESS DEVICES
99-442	7,035,223	METHOD AND APPARATUS FOR DETECTING UNRELIABLE OR COMPROMISED ROUTER/SWITCHES IN LINK STATE ROUTING
99-415 RCE 1	09/430,883	VERIFICATION OF CONTENT STORED ON A NETWORK
99-420	6,769,112	DOMAIN-INDEPENDENT RECONFIGURABLE SCHEDULER